Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (currently amended) An intrinsically safe pick-up for reproduction or recording devices for different optical recording media having at least two laser diodes ~~(LD1, LD2)~~ and having a monitor diode ~~(PD)~~ which controls the different light power levels of the laser diodes ~~(LD1, LD2)~~, comprising:

a switching means ~~(SW)~~, which is formed with interlocked switches ~~(S1, S2)~~, in order to produce a reference value which is associated with one laser diode ~~(LD1 or LD2)~~ with the monitor diode ~~(PD)~~ and in order to form an intrinsically safe pick-up ~~(EPU)~~.

2. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the intrinsically safe pick-up ~~(EPU)~~ contains a switching means ~~(SW)~~ which contains interlocked switches ~~(S1, S2)~~ to which light power adjusting resistors ~~(R1, R2)~~ are connected.

3. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the interlocked switches ~~(S1, S2)~~ of the switching means ~~(SW)~~ connect the monitor diode ~~(PD)~~ via a light power adjusting resistor ~~(R1, R2)~~ to the reference of a laser regulator ~~(LR1, LR2)~~ in order to generate a reference value in a laser control loop for one of the laser diodes ~~(LD1 or LD2)~~, and switch off all the light power adjusting resistors ~~(R1, R2)~~ in order to form an intrinsically safe pick-up ~~(EPU)~~.

4. (currently amended) An intrinsically safe pick-up according to claim 3, wherein at least two laser control loops are provided in order to set the light power levels of the laser diodes ~~(LD1, LD2)~~ with a monitor diode ~~(PD)~~, and each comprisind a laser regulator ~~(LR1, LR2)~~ which is connected to the monitor diode ~~(PD)~~ and to which a controllable current source ~~(Q1, Q2)~~ is connected in order to set the light power levels of the laser diodes ~~(LD1, LD2)~~,

and with the laser regulators ~~(LR1, LR2)~~ being driven by a control signal ~~(ST1, ST2)~~ which identifies the type of optical recording medium in the reproduction or recording device.

5. (currently amended) An intrinsically safe pick-up according to claim 1, wherein a controllable current source ~~(Q1, Q2)~~ with a laser regulator ~~(LR1, LR2)~~ connected to the monitor diode ~~(PD)~~ is provided for each of the laser diodes ~~(LD1, LD2)~~.

6. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the switching means ~~(SW)~~, which is formed by two interlocked switches ~~(S1, S2)~~, comprises a logic circuit in order to generate a reference value which is associated with a laser diode ~~(LD1 or LD2)~~ and in order to form an intrinsically safe pick-up ~~(EPU)~~, which logic circuit prevents simultaneous closure of the switches ~~(S1, S2)~~ and opens the switches ~~(S1, S2)~~ with simultaneous actuation.

7. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the interlocked switches ~~(S1, S2)~~ are electronic switches.

8. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the interlocked switches ~~(S1, S2)~~ are switches in whose control line a logic circuit is inserted.

9. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the switching means ~~(SW)~~ comprises a logic circuit which is formed by two AND gates ~~(U1, U2)~~ each having an inverting input, and in which each inverting input of an AND gate ~~(U1 or U2, respectively)~~ is connected to the input of the other AND gate ~~(U2 or U1, respectively)~~, to which a switching signal ~~(tSW1, tSW2)~~ is applied for one of the switches ~~(S1 or S2)~~ of the switching means ~~(SW)~~, whose control input is connected to the output of the AND gate ~~(U1 or U2)~~ to whose input the switching signal ~~(tSW1, tSW2)~~ for the switch ~~(S1 or S2)~~ is applied.

10. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the reference value which is associated with one laser diode ~~(LD1 or LD2)~~ together with the monitor diode ~~(PD)~~ is formed by light power adjusting means which are connected to the monitor diode ~~(PD)~~ via the switching means ~~(SW)~~.

11. (currently amended) An intrinsically safe pick-up according to claim 10, wherein the light power adjusting means which are connected to the monitor diode ~~(PD)~~ are light power adjusting resistors ~~(R1, R2)~~.

12. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the switches ~~(S1, S2)~~ of the switching means ~~(SW)~~ are actuated via a logic circuit, which interlocks the switches ~~(S1, S2)~~ and forms an intrinsically safe pick-up ~~(EPU)~~, by means of a control signal ~~(ST1, ST2)~~ which identifies the type of optical recording medium in the reproduction or recording device.

13. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the switches ~~(S1, S2)~~ of the switching means are controlled via a logic circuit, which interlocks the switches ~~(S1, S2)~~ and forms an intrinsically safe pick-up ~~(EPU)~~, by means of switching signals ~~(tSW1, tSW2)~~ from a modulator assembly ~~(BMOD)~~ which is connected to the laser diodes ~~(LD1 or LD2)~~.

14. (currently amended) An intrinsically safe pick-up according to claim 13, wherein a modulator ~~(MOD)~~ is provided in the modulator assembly ~~(BMOD)~~ for each of the laser diodes ~~(LD1 or LD2)~~ and has a control assembly ~~(contr)~~ which switches on the modulator ~~(MOD)~~ when the laser diode ~~(LD1, LD2)~~ to which it is connected is actuated, and wherein the control assembly ~~(contr)~~ generates a switching signal ~~(tSW)~~ for controlling the switches ~~(S1, S2)~~ by means of the logic circuit.

15. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the control inputs of the switches ~~(S1, S2)~~ of the switching means ~~(SW)~~ are connected to comparators ~~(K1, K2)~~ which are connected to the laser diodes ~~(LD1 or LD2)~~, via a logic circuit which interlocks the switches ~~(S1, S2)~~ and forms an intrinsically safe pick-up ~~(EPU)~~.

16. (currently amended) An intrinsically safe pick-up according to claim 1, wherein light path adjusting resistors ~~(R1, R2)~~, which are provided on the monitor diode ~~(PD)~~ in order to generate a reference value which is associated with a laser diode ~~(LD1 or LD2)~~, are switched off by the switching means ~~(SW)~~ in order to form an intrinsically safe pick-up ~~(EPU)~~ having at least two laser diodes ~~(LD1, LD2)~~ and a monitor diode ~~(PD)~~ which controls different light power levels of the laser diodes ~~(LD1, LD2)~~.

17. (currently amended) An intrinsically safe pick-up according to claim 1, wherein the switching means ~~(SW)~~ and a modulator assembly ~~(BMOD)~~ which is connected to the laser diodes ~~(LD1, LD2)~~ are arranged on a common substrate ~~(MS)~~.

18. (currently amended) An intrinsically safe pick-up according to claim 1, wherein a switching means ~~(SW)~~ which comprises interlocked switches ~~(S1, S2)~~ is provided on the pick-up, by means of which an intrinsically safe pick-up ~~(EPU)~~ is formed and a reference value, which is associated with a respective laser diode ~~(LD1, LD2)~~, is formed in order to control the light power of the laser diode ~~(LD1, LD2)~~.

19. (currently amended) A reproduction or recording device for different optical recording media having at least two laser diodes ~~(LD1, LD2)~~ and the monitor diode ~~(PD)~~ which controls different light power levels of the laser diodes ~~(LD1, LD2), characterized in that~~ wherein the reproduction or recording device comprises an intrinsically safe pick-up ~~(EPU)~~ which is connected to a DVD/CD circuit ~~(CS)~~.

20. (currently amended) Reproduction or recording device according to claim 19, wherein the intrinsically safe pick-up ~~(EPU)~~ has laser diodes ~~(LD1, LD2)~~, which are integrated in a twin laser ~~(TWL)~~, and a monitor diode ~~(PD)~~.